

Printing Ink Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
325910, Printing ink manufacturing 2002..	234	508	12 249	582 873	6 746	13 808	272 460	1 992 990	2 234 997	4 216 704	'94 484
2001..	N	N	13 377	594 462	7 111	14 506	266 659	2 184 422	2 412 038	4 596 097	67 178
2000..	N	N	13 088	566 511	6 723	13 861	250 219	2 088 006	2 583 356	4 669 951	172 249
1999..	N	N	13 904	590 734	7 146	14 512	262 471	2 199 428	2 487 996	4 668 527	84 061
1998..	N	N	13 429	542 350	7 831	16 169	261 175	1 810 893	2 604 110	4 332 163	66 935
1997..	255	566	13 196	509 564	7 001	14 674	243 525	1 627 402	2 480 229	4 076 500	90 509

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325910, Printing ink manufacturing												
United States	2	508	188	12 249	582 873	6 746	13 808	272 460	1 992 990	2 234 997	4 216 704	'94 484
California	2	51	22	1 185	59 327	599	1 220	24 114	151 200	165 220	314 651	'9 034
Florida	2	21	2	210	10 353	104	226	4 676	48 542	51 583	100 461	'1 649
Maryland	6	8	5	192	9 249	118	248	4 779	39 784	32 732	71 291	'2 349
Massachusetts	4	20	8	452	20 547	225	440	7 415	59 158	68 279	127 991	'1 908
Michigan	2	10	4	396	20 415	189	382	7 231	68 699	37 252	105 845	'2 131
New Jersey	3	30	12	555	28 396	278	566	11 362	86 565	88 367	173 486	'6 762
North Carolina	1	22	11	810	36 338	473	969	17 078	105 092	112 594	216 500	'3 469
Oregon	5	12	5	275	12 172	167	334	6 796	30 569	34 818	65 570	'687
South Carolina	—	8	2	143	6 110	95	188	4 080	31 886	30 743	62 226	'526
Tennessee	5	19	4	241	10 441	144	275	5 626	32 729	54 606	88 856	'1 892
Texas	2	26	7	396	18 774	212	425	8 158	65 789	65 422	131 424	'3 135
Wisconsin	5	16	7	365	16 886	222	451	8 636	75 694	51 275	127 521	'2 056

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
325910, Printing ink manufacturing	
Companies ¹	number.. 234
All establishments ²	number.. 508
Establishments with 1 to 19 employees	number.. 320
Establishments with 20 to 99 employees	number.. 173
Establishments with 100 employees or more	number.. 15
All employees ³	number.. 12 249
Total compensation	\$1,000.. 713 004
Annual payroll	\$1,000.. 582 873
Total fringe benefits	\$1,000.. 130 131
Production workers, average for year	number.. 6 746
Production workers on March 12	number.. 6 802
Production workers on May 12	number.. 6 756
Production workers on August 12	number.. 6 683
Production workers on November 12	number.. 6 650
Production worker hours	1,000.. 13 808
Production worker wages	\$1,000.. 272 460
Total cost of materials	\$1,000.. 2 234 997
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 146 554
Resales	\$1,000.. 54 654
Purchased fuels	\$1,000.. 6 419
Purchased electricity	\$1,000.. 19 976
Contract work	\$1,000.. 7 394
Quantity of electricity purchased for heat and power	1,000 kWh.. 277 065
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 4 216 704
Primary products value of shipments	\$1,000.. 3 996 189
Secondary products value of shipments	\$1,000.. 148 441
Total miscellaneous receipts	\$1,000.. 72 074
Value of resales	\$1,000.. 66 799
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 96
Value of primary products shipments made in all industries	\$1,000.. 4 058 511
Value of primary products shipments made in this industry	\$1,000.. 3 996 189
Value of primary products shipments made in other industries	\$1,000.. 62 322
Coverage ratio	percent.. 98
Value added	\$1,000.. 1 992 990
Total inventories, beginning of year	\$1,000.. 418 553
Finished goods inventories	\$1,000.. 233 985
Work-in-process inventories	\$1,000.. 26 225
Materials and supplies inventories	\$1,000.. 158 343
Total inventories, end of year	\$1,000.. 415 912
Finished goods inventories	\$1,000.. 236 159
Work-in-process inventories	\$1,000.. 35 334
Materials and supplies inventories	\$1,000.. 144 419
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '1 180 049
Total capital expenditures (new and used)	\$1,000.. '94 484
Buildings and other structures (new and used)	\$1,000.. '11 809
Machinery and equipment (new and used)	\$1,000.. '82 675
Automobiles, trucks, etc., for highway use	\$1,000.. '3 995
Computers and peripheral data processing equipment	\$1,000.. '7 607
All other expenditures for machinery and equipment	\$1,000.. '71 073
Total retirements	\$1,000.. '61 544
Gross value of depreciable assets at end of year	\$1,000.. '1 212 989
Depreciation charges during year	\$1,000.. '70 490
Total rental payments	\$1,000.. 69 403
Buildings and other structures	\$1,000.. 41 040
Machinery and equipment	\$1,000.. 28 363
Total other expenses ⁴	\$1,000.. 157 516
Response coverage ratio ⁵	percent.. 55
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 12 251
Communications services ⁴	\$1,000.. 6 515
Legal services ⁴	\$1,000.. 2 078
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 255
Advertising and promotional services ⁴	\$1,000.. 5 689
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 723
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 4 217
Management consulting and administrative services ⁴	\$1,000.. 11 898
Taxes and license fees ⁴	\$1,000.. 6 606
All other expenses ⁴	\$1,000.. 102 284

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325910, Printing ink manufacturing											
All establishments	2	508	12 249	582 873	6 746	13 808	272 460	1 992 990	2 234 997	4 216 704	'94 484
Establishments with—											
1 to 4 employees	8	105	c	D	D	D	D	D	D	D	D
5 to 9 employees	5	98	676	31 406	360	759	13 656	132 924	133 663	265 476	'5 277
10 to 19 employees	4	117	1 592	71 789	926	1 887	34 977	240 852	242 725	483 260	'17 295
20 to 49 employees	2	117	3 782	176 217	2 138	4 285	84 875	617 276	720 535	1 336 581	'27 807
50 to 99 employees	—	56	3 630	178 516	2 067	4 270	87 029	618 310	753 638	1 370 248	'24 783
100 to 249 employees	—	14	1 930	93 985	971	1 992	36 897	306 656	328 648	627 732	'16 686
250 to 499 employees	—	1	e	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	98	417	18 998	205	418	7 687	49 982	73 621	123 604	'2 524

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
325910	Printing ink manufacturing	508	12 249	582 873	6 746	13 808	272 460	1 992 990	2 234 997	4 216 704	'94 484
3259101	Letterpress printing inks	10	313	13 789	185	394	6 550	39 588	41 804	80 602	'1 806
3259104	Lithographic and offset inks	168	5 299	259 317	3 053	6 382	131 156	834 548	949 096	1 784 858	'41 475
3259107	Gravure printing inks	30	829	38 473	528	966	20 140	202 182	240 956	444 955	'8 106
325910A	Flexographic printing inks	59	2 365	105 914	1 342	2 689	52 407	454 587	458 497	912 071	'22 160
325910E	Nonimpact/digital inks	21	566	29 443	240	494	9 028	116 330	126 148	234 069	'5 600
325910H	All other printing inks	26	1 218	59 583	566	1 155	21 033	146 897	167 090	311 098	'5 394

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325910	Printing ink manufacturing	2002.. N 1997.. N	X X	X X	4 058 511 3 933 530
3259101	Letterpress printing inks	2002.. N 1997.. N	X X	X X	135 451 184 336
32591011	Letterpress printing inks	2002.. N 1997.. N	X X	X X	126 911 184 278
3259101111	News inks mil lb.	2002.. 6 1997.. 8	X X	S D	65 147 D
3259101121	Packaging inks mil lb.	2002.. 5 1997.. 11	X X	D D	D D
3259101131	Other letterpress printing inks, including publication inks mil lb.	2002.. 3 1997.. 8	X X	D S	D 7 190
3259101Y	Letterpress printing inks, nsk	2002.. N 1997.. N	X X	X X	8 540 58
3259101YWV	Letterpress printing inks, nsk	2002.. N 1997.. N	X X	X X	8 540 58
3259104	Lithographic and offset inks	2002.. N 1997.. N	X X	X X	1 680 059 1 680 418
32591041	News and nonheat web offset printing inks	2002.. N 1997.. N	X X	X X	D 289 834
3259104111	News and nonheat web offset printing inks mil lb.	2002.. 16 1997.. 23	X X	D 312.0	D 289 834
32591042	Publication and commercial web inks	2002.. N 1997.. N	X X	X X	625 796 779 461
3259104221	Publication and commercial web inks mil lb.	2002.. 20 1997.. 25	X X	S 656.8	625 796 779 461
32591043	Sheet-fed general inks	2002.. N 1997.. N	X X	X X	D 334 030
3259104341	Sheet-fed general inks mil lb.	2002.. 35 1997.. 41	X X	D P73.4	D 334 030
32591044	Sheet-fed packaging inks	2002.. N 1997.. N	X X	X X	249 990 247 736
3259104431	Sheet-fed packaging inks mil lb.	2002.. 17 1997.. 17	X X	S P44.2	111 371 162 257
3259104451	Other lithographic and offset inks mil lb.	2002.. 12 1997.. 14	X X	P33.2 S	138 619 85 479
3259104Y	Lithographic and offset inks, nsk	2002.. N 1997.. N	X X	X X	106 730 29 357
3259104YWV	Lithographic and offset inks, nsk	2002.. N 1997.. N	X X	X X	106 730 29 357
3259107	Gravure printing inks	2002.. N 1997.. N	X X	X X	496 334 572 906
32591071	Gravure publication printing inks	2002.. N 1997.. N	X X	X X	D 326 340
3259107131	Gravure publication printing inks, solvent types mil lb.	2002.. 5 1997.. 4	X X	D P269.1	D 294 208
3259107141	Gravure publication printing inks, water types mil lb.	2002.. 5 1997.. 3	X X	D S	D 32 132
32591072	Other gravure printing inks, excluding publication printing types	2002.. N 1997.. N	X X	X X	D 226 451
3259107211	Gravure packaging printing inks, solvent types mil lb.	2002.. 13 1997.. 16	X X	S P59.9	136 031 121 834
3259107221	Gravure packaging printing inks, water types mil lb.	2002.. 10 1997.. 11	X X	S D	44 720 57 674
3259107251	Other gravure printing inks mil lb.	2002.. 7 1997.. 6	X X	S S	D 46 943
3259107Y	Gravure printing inks, nsk	2002.. N 1997.. N	X X	X X	17 732 20 115
3259107YWV	Gravure printing inks, nsk	2002.. N 1997.. N	X X	X X	17 732 20 115
325910A	Flexographic printing inks	2002.. N 1997.. N	X X	X X	777 351 718 147
325910A1	Flexographic printing inks	2002.. N 1997.. N	X X	X X	747 524 662 761
325910A111	Flexographic packaging printing inks, solvent types mil lb.	2002.. 12 1997.. 17	X X	S S	228 183 160 395
325910A121	Flexographic packaging printing inks, water types mil lb.	2002.. 28 1997.. 36	X X	P149.5 P145.9	324 140 334 576
325910A131	Flexographic news and commercial printing inks mil lb.	2002.. 4 1997.. 6	X X	S 62.6	115 402 116 562
325910A141	Other flexographic printing inks mil lb.	2002.. 8 1997.. 16	X X	S S	79 799 51 228
325910AY	Flexographic printing inks, nsk	2002.. N 1997.. N	X X	X X	29 827 55 386
325910AYWV	Flexographic printing inks, nsk	2002.. N 1997.. N	X X	X X	29 827 55 386
325910E	Nonimpact/digital inks	2002.. N 1997.. N	X X	X X	241 995 96 034
325910E1	Nonimpact/digital inks	2002.. N 1997.. N	X X	X X	217 955 86 967
325910E111	Inkjet inks mil lb.	2002.. 18 1997.. 7	X X	S S	180 508 57 167
325910E121	Electrophotographic printing inks mil lb.	2002.. — 1997.. 3	X X	— S	— 8 592
325910E131	Other nonimpact/digital inks mil lb.	2002.. 6 1997.. 3	X X	S S	37 447 21 208
325910EY	Nonimpact/digital inks, nsk	2002.. N 1997.. N	X X	X X	24 040 9 067
325910EYWV	Nonimpact/digital inks, nsk	2002.. N 1997.. N	X X	X X	24 040 9 067
325910H	All other printing inks	2002.. N 1997.. N	X X	X X	276 211 228 316
325910H1	All other printing inks	2002.. N 1997.. N	X X	X X	266 103 228 316
325910H111	Textile printing inks mil lb.	2002.. 6 1997.. 9	X X	S S	42 438 51 025

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325910	Printing ink manufacturing—Con.				
325910H	All other printing inks—Con.				
325910H1	All other printing inks—Con.				
325910H121	Screen printing inks mil lb..	2002.. 12	X	S	118 603
		1997.. 13	X	P26.0	131 944
325910H131	Other printing inks, including stencil inks mil lb..	2002.. 13	X	S	105 062
		1997.. 11	X	P5.6	45 347
325910HY	All other printing inks, nsk	2002.. N	X	X	10 108
		1997.. N	X	X	—
325910HYWV	All other printing inks, nsk	2002.. N	X	X	10 108
		1997.. N	X	X	—
325910W	Printing ink manufacturing, nsk, total	2002.. N	X	X	451 110
		1997.. N	X	X	453 373
325910WY	Printing ink manufacturing, nsk, total	2002.. N	X	X	451 110
		1997.. N	X	X	453 373
325910WYWW	Printing ink manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	328 038
		1997.. N	X	X	307 022
325910WYWY	Printing ink manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	123 072
		1997.. N	X	X	146 351

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3259101	Letterpress printing inks	
	United States..... 2002..	135 451
	..... 1997..	184 336
3259104	Lithographic and offset inks	
	United States..... 2002..	1 680 059
	..... 1997..	1 680 418
	California..... 2002..	152 001
	..... 1997..	155 395
	Massachusetts..... 2002..	28 232
	..... 1997..	24 025
	Michigan..... 2002..	22 760
	..... 1997..	N
	New Jersey..... 2002..	55 145
	..... 1997..	55 253
	North Carolina..... 2002..	43 318
	..... 1997..	32 847
	Tennessee..... 2002..	28 569
	..... 1997..	43 309
	Texas..... 2002..	73 061
	..... 1997..	83 272
	Wisconsin..... 2002..	38 506
	..... 1997..	121 804
3259107	Gravure printing inks	
	United States..... 2002..	496 334
	..... 1997..	572 906
	California..... 2002..	23 963
	..... 1997..	8 629
	Massachusetts..... 2002..	25 426
	..... 1997..	N
	South Carolina..... 2002..	19 916
	..... 1997..	N
325910A	Flexographic printing inks	
	United States..... 2002..	777 351
	..... 1997..	718 147
	California..... 2002..	30 348
	..... 1997..	69 504
	Maryland..... 2002..	10 557
	..... 1997..	13 335
	Massachusetts..... 2002..	10 376
	..... 1997..	9 168
	Michigan..... 2002..	5 585
	..... 1997..	5 800
	New Jersey..... 2002..	10 432
	..... 1997..	56 464
	North Carolina..... 2002..	77 853
	..... 1997..	77 582
	Tennessee..... 2002..	24 235
	..... 1997..	29 558
	Texas..... 2002..	28 109
	..... 1997..	32 755
	Wisconsin..... 2002..	33 278
	..... 1997..	27 221
325910E	Nonimpact/digital inks	
	United States..... 2002..	241 995
	..... 1997..	96 034
	New Jersey..... 2002..	36 873
	..... 1997..	16 580
325910H	All other printing inks	
	United States..... 2002..	276 211
	..... 1997..	228 316
	New Jersey..... 2002..	23 240
	..... 1997..	54 001

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325910	Printing ink manufacturing		
00900001	Total materials .....2002..	X	2 146 554
	.....1997..	X	2 380 722
32513001	Pigments, organic and inorganic..... mil lb..2002..	S	536 078
	.....1997..	213.6	514 649
32518200	Carbon black mil lb..2002..	S	121 820
	.....1997..	D	D
32521106	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..2002..	S	112 983
	.....1997..	N	N
32551005	Paints, varnishes, lacquers, shellacs, japans, enamels, and allied products (including all ink vehicles and varnishes) mil lb..2002..	S	196 255
	.....1997..	N	N
32519105	Other wood chemicals (wood rosin, turpentine, etc.) mil lb..2002..	S	9 980
	.....1997..	30.1	19 018
32410011	Hydrocarbon oils and solvents mil gal..2002..	S	113 512
	.....1997..	58.9	137 024
32510029	Oxygenated solvents mil gal..2002..	S	41 747
	.....1997..	D	D
33240000	Metal containers .....2002..	X	36 227
	.....1997..	X	22 077
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	405 882
	.....1997..	X	N
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	572 070
	.....1997..	X	569 386

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.